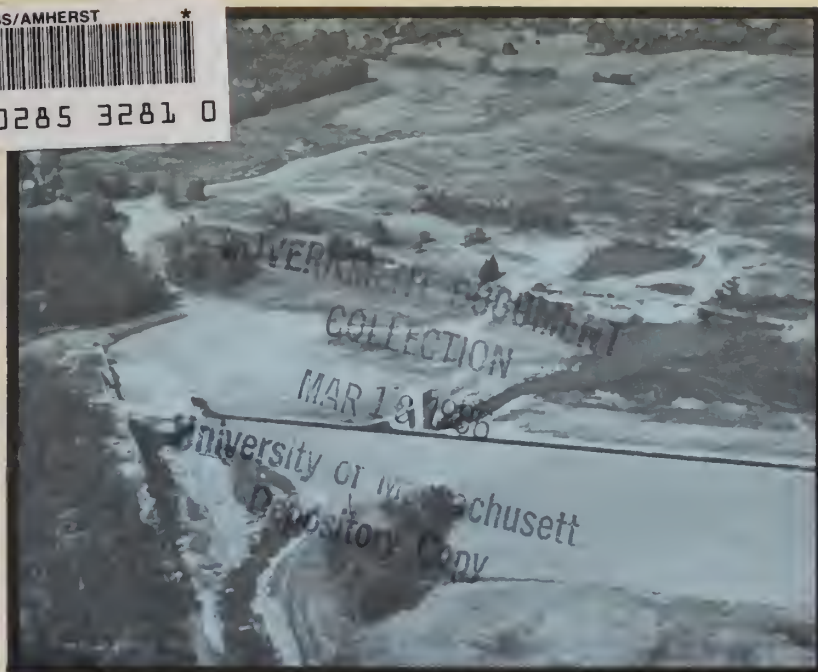
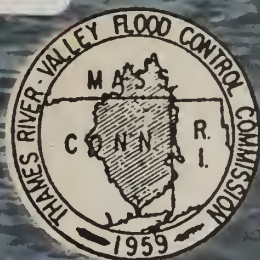
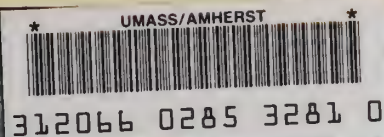


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THAMES RIVER VALLEY FLOOD CONTROL COMMISSION

BIENNIAL REPORT

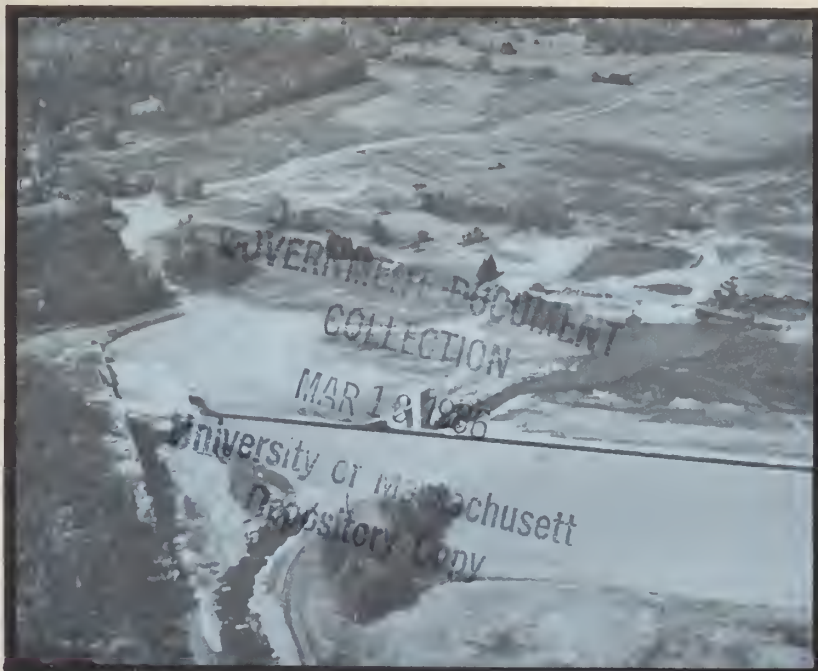
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1969 & 1970





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GOVERNMENT DOCUMENT
COLLECTION

MAR 18 1966

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**BIENNIAL
REPORT**

**F.Y.
1969 & 1970**

**THAMES RIVER VALLEY
FLOOD CONTROL COMMISSION**





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The Thames River Valley Flood Control Commission

CHAIRMAN
SAMUEL T. SHEARD
STURBRIDGE, MASS.

VICE-CHAIRMAN
WILLIAM S. WISE
WEST HARTFORD, CONN.

CLERK-TREASURER
JOHN E. BECKER
NEW CANAAN, CONN.



CHARLES F. KENNEDY
BOSTON, MASS.

EDWARD CHASE
BOSTON, MASS.

ROBERT H. BARNES
UNCASVILLE, CONN.

Your Excellencies:

I have the honor of presenting herewith the report of the Thames River Valley Flood Control Commission for the fiscal years 1969 and 1970. This covers the period from July 1, 1968 through June 30, 1970.

We are pleased to report that we have participated in the present day programs of ecology and pollution as indicated by our sponsorship of the sewage system in the village of Fiskdale in the Town of Sturbridge. The projected cost of the Fiskdale system is \$2,350,000., and of this amount, we were instrumental in obtaining \$1,258,700. by grants and loans from the Federal Farmers Home Administration. The Fiskdale portion of the over-all Sturbridge system is to be completed and functional by July of 1971, which makes possible pollution-free water in the Quinebaug River to the Southbridge town line.

Most of the recreational facilities are already available at the Westville Reservoir; and as pollution-free water will permit swimming, a request has been made to the Army Corps of Engineers that facilities be made available for this purpose.

Much progress has been made in the recreational areas at the Streeter Road bathing area of the East Brimfield Reservoir. A comfort station has been installed, and development at this site includes pathways and a potable water fountain connected to the Sturbridge water system. Another comfort station has been constructed on the northerly side of Holland Pond day use area.

We are interested in conservation and have met with town committees on flood plain occupancy and water pollution in the brooks and streams flowing into the Quinebaug River.

We have held two Commission meetings in each year, and have had good discussions of subjects covered. This is possible with the 100 per cent member attendance at all meetings, and we are very proud of our perfect attendance record.

The Commission has again maintained its cost of operation for the fiscal years 1969 and 1970 without requesting any operating funds from the States of Massachusetts and Connecticut during that period.

Respectfully,

Samuel T. Sheard

Samuel T. Sheard
Chairman

John N. Dempsey, Governor of Connecticut
Francis W. Sargent, Governor of Massachusetts

The Thames River Valley Flood Control Commission

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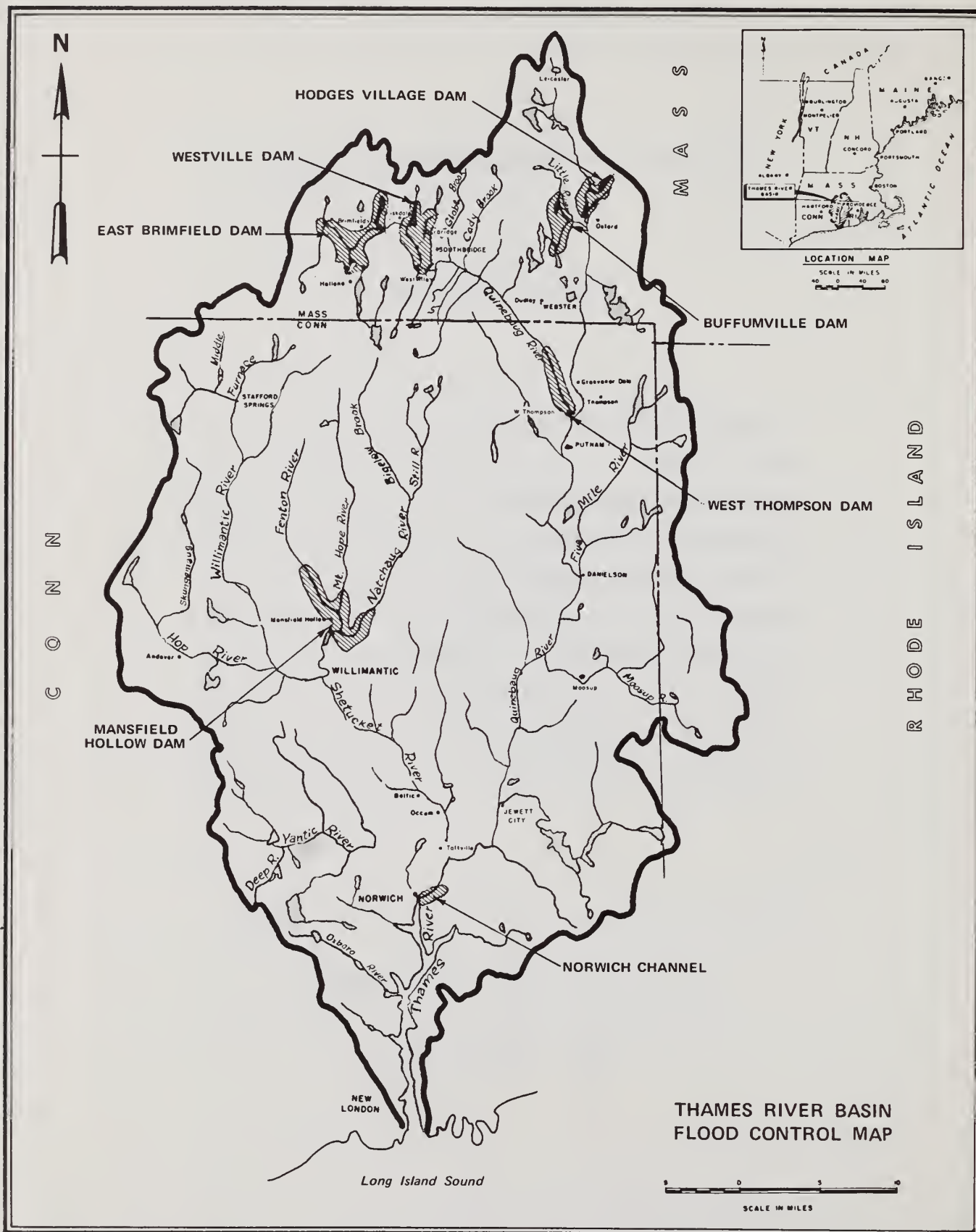
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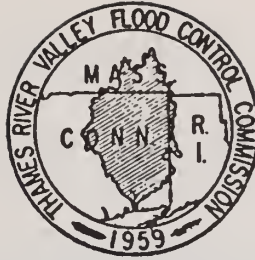
Aerial photographs courtesy of the U. S. Army Corps of Engineers.

This Report was prepared with the cooperation of

The Massachusetts Water Resources Commission

Division of Water Resources





COMMISSION MEMBERSHIP

The Thames River Valley Flood Control Commission which was established on June 5, 1959, provides for a membership consisting of three representatives from Massachusetts and three from Connecticut.

Commission officers during the period were:

CHAIRMAN

Samuel T. Sheard
Massachusetts

VICE-CHAIRMAN

William S. Wise
Connecticut

CLERK-TREASURER

John E. Becker
Connecticut

Other members of the Commission include Robert H. Barnes, Connecticut, Charles F. Kennedy, Massachusetts, and Edward Chase, Massachusetts.



Efforts of the Thames River Valley Flood Control Commission **were** instrumental in obtaining this important facility.

COMMISSION ACTIVITIES

During the period covered by this report the Commission held four meetings at Sturbridge, Massachusetts to transact business.

Meeting Dates

November 1, 1968

August 1, 1969

September 31, 1969

July 10, 1970

The Commission requested no operating funds during the Fiscal Years 1969 and 1970, since the balance on hand was sufficient to meet expenses.

FLOOD CONTROL OPERATIONS

The six dams maintained by the U.S. Army Corps of Engineers provide 140,250 acre-feet of flood storage capacity. During the flood threat of April 1970, all dams in the basin were operating, and 22 percent of this flood storage capacity was utilized.

A \$219,000.00 benefit accrued from the flood loss prevention afforded by the dams. An additional 6,630 acre-feet of storage is utilized to provide permanent water areas. These conservation pools play an important recreation role.

RECREATIONAL DEVELOPMENT PROGRAM

As authorized by the Flood Control Act of 1944, the U.S. Army Corps of Engineers has developed the recreational resources of Federally owned land and waters in cooperation with other Federal, State and local agencies.

The various State Forest and Parks and Fisheries and Game agencies have been active in managing substantial portions of the 7,433 acres of land and 1,226 acres of water lying within the six reservoir areas.

MUNICIPAL & INDUSTRIAL POLLUTION ABATEMENT ACTIVITIES

Quinebaug River, Massachusetts

TOWNS

Sturbridge

The town has received a state and federal grant for the wastewater treatment plant, pumping station and force main, and a federal grant for the collection system. The project is presently under construction.

Southbridge

The town has received a state planning grant and is preparing final plans for improving and enlarging its wastewater treatment plant.

Charlton

The town has completed its' preliminary planning for pollution abatement facilities.

INDUSTRIES

American Optical Company, Southbridge

Construction has been completed and the waste treatment plant is now in operation.

West Dudley Paper Company, Dudley

Equivalent secondary treatment is required by the Massachusetts Division of Water Pollution Control. A preliminary report and final plans, have been approved and construction started in May of 1970.

Charlton Woolen Company, Charlton

Treatment facilities have been constructed for industrial waste prior to discharge to Cady Brook, French River, Massachusetts. Facilities have proven to be inadequate to meet the assigned water quality standards and an engineer has been retained to upgrade the facility.

French River, Massachusetts

TOWNS

Oxford-Rochdale Sewer District

The District has received a state planning grant and is preparing final plans for an interception sewer and wastewater treatment plant.

Dudley

The town has received a federal and state grant for new wastewater treatment facilities.

Webster

The town has completed a pilot plant study on their combined sewage and industrial wastes.

INDUSTRIES

Carleton Woolen (Leicester)

The company is moving ahead with abating its pollution, having completed about 75% of a pre-treatment facility.

Cranston Print & other Webster Industries

All have indicated plans to tie into the municipal sewage treatment system with appropriate pre-treatment.



BUFFUMVILLE DAM, CHARLTON, MASSACHUSETTS, with spillway, outlet channel and service buildings in foreground, and recreation pool in background.

The recreational development of this 488 acre area includes a 50 acre public park contiguous to the 200 acre permanent pool. Improvements for swimming, picnicking, boating and fishing have been installed. The Massachusetts Department of Natural Resources has a 25 year license to manage this area for public use.

Attendance by 73,000 recreationists was recorded in 1969.



EAST BRIMFIELD DAM, STURBRIDGE, MASSACHUSETTS, showing dam, access road, route 20 and the permanent pool.

Under license to the Massachusetts Department of Natural Resources, this 1,685 acre area includes the 475 acre permanent pool, Holland Pond (80 acres) and several smaller water bodies. Three boat launching areas provide access for boating and both warm and cold water fishing. Use by swimmers, picnickers, boaters, fishermen, hunters and other recreationists reached 315,000 visitor days in 1969, the highest use recorded in any of the basin projects.

The U.S. Army Corps of Engineers plans to conduct some experimental aquatic weed control measures during the winter and spring of 1970 in shallow portions of the main reservoir.



HODGES VILLAGE DAM, OXFORD, MASSACHUSETTS, with spillway, dike and service buildings in the central foreground and the flood storage basin at the upper right.

The entire 750 acre basin is kept empty for the storage of floodwaters. The recreational use of this project is limited by the water quality of the French River which is presently poor. It will greatly improve as the State's pollution abatement program continues.

The area is used by hunters, field trial groups and other recreationists. Visitor days climbed to 39,000 in 1969.



WESTVILLE DAM, SOUTHBRIDGE and STURBRIDGE, MASSACHUSETTS, showing the structural facilities and the 26 acre pool.

The primary active use of this 552 acre site is the fishing afforded by the public ownership of several miles of the Quinebaug River. Releases from the East Brimfield Reservoir upstream have improved flows. The completion of the Sturbridge Sewage Treatment plant will further improve water conditions, and swimming facilities are planned for the lower pool.

The stream is stocked by the Massachusetts Division of Fisheries and Game. In 1969, 60,000 visitor days were recorded at this project.



MANSFIELD HOLLOW DAM, MANSFIELD, CONNECTICUT looking toward the 415 acre conservation pool on the Natchaug River.

The Connecticut State Park and Forest Commission manages this 2,300 acre storage basin. A full range of recreational uses is afforded, making it the second most heavily utilized project in the Thames basin. Approximately 260,000 visitor days were tallied at Mansfield Hollow in 1969.



WEST THOMPSON DAM, WEST THOMPSON, CONNECTICUT just above the confluence of the Quinebaug and French Rivers.

This 2100 acre reservoir is managed by the Connecticut Park and Forest Commission. The water quality of the 200 acre conservation pool is definitely improving as pollution abatement programs in the Upper Quinebaug progress, although the water is not suitable for swimming as yet.



The Thames River Valley Flood Control Commission

STATEMENT OF CASH RECEIPTS & DISBURSEMENTS

Fiscal year July 1, 1968 - June 30, 1969

Cash in Savings Banks and Checking Account - June 30, 1968 \$24,435.87

Receipts:

States: No Funds Requested

Interest on Savings Accounts:

| | | | |
|-------------------------|---------|---------------|-----------------|
| Dime Savings Bank | 4/29/69 | \$289.69 | |
| Norwich Savings Society | 6/30/69 | 317.36 | |
| Putnam Savings Bank | 6/30/69 | <u>516.85</u> | |
| Total | | | <u>1,123.90</u> |

\$25,559.77

Disbursements -

646.87
\$24,912.90

Summary: Cash in Savings Banks and Checking
 Account June 30, 1969

| | | |
|---------------------------------|--------------------|--------------------|
| Dime Savings Bank | Acct. No. 85122 | \$ 7,885.45 |
| Norwich Savings Society | Acct. No. 262245 | 5,738.15 |
| Putnam Savings Bank | Acct. No. 59366 | 10,695.46 |
| Conn. Bank & Trust Co. Checking | Acct. No. 290027-0 | <u>593.84</u> |
| | | <u>\$24,912.90</u> |



The Thames River Valley Flood Control Commission

STATEMENT OF CASH RECEIPTS & DISBURSEMENTS

Fiscal Year July 1, 1969-June 30, 1970

Cash in Savings Banks and Checking Account - June 30, 1969 \$24,912.90

Receipts

States: \$ 600.00

Interest on Savings Accounts:

Dime Savings Bank 556.35

Norwich Savings Society 294.19

Putman Savings Bank 544.86

Total

1,995.40

\$26,908.30

Disbursements -

1,038.71

\$25,869.59

Summary: Cash in Savings Banks and Checking Account
June 30, 1970

Dime Savings Bank - Acct. #85122

\$ 8,441.80

Norwich Savings Society - Acct. #262245

6,032.34

Putnam Savings Bank - Acct. #59366

11,240.32

Conn. Bank & Trust Co. - Acct. #290027-0

155.13

\$25,869.59



The Thames River Valley Flood Control Commission

STATEMENT OF ASSESSMENT & TAX LOSSES
ON PROPERTY TAKEN BY THE FEDERAL GOVERNMENT

YEAR 1969

| <u>Town and Dam</u> | <u>Losses to 12/31/69</u> <u>Assessed Valuation</u> | <u>1969</u> <u>Tax Rate</u> | <u>Tax Loss</u> |
|---------------------|--|--------------------------------|------------------|
| Brimfield: | | | |
| East Brimfield Dam | \$ 205,843. | 68.00 | 13,997.32 |
| Charlton: | | | |
| Buffumville Dam | 37,740. | 93.00 | 3,509.82 |
| Dudley: | | | |
| Buffumville Dam | 700. | 54.00 | 37.80 |
| Holland: | | | |
| East Brimfield Dam | 196,600. | 110.00 | 21,626.00 |
| Oxford: | | | |
| Hodges Village Dam | \$271,587. | | |
| Buffumville Dam | <u>80.</u> 271,667. | 116.00 | 31,513.37 |
| Southbridge: | | | |
| Westville Dam | 57,310. | 126.00 | 7,221.06 |
| Sturbridge: | | | |
| East Brimfield Dam | 279,125. | | |
| Westville Dam | <u>386,800.</u> 665,925. | <u>32.00</u> | <u>21,309.60</u> |
| Totals | <u>\$1,435,785.</u> | | <u>99,214.97</u> |

Reimbursement due from the State of Connecticut:

40% of \$99,214.97, or \$39,685.99



The Thames River Valley Flood Control Commission

STATEMENT OF ASSESSMENT & TAX LOSSES
ON PROPERTY TAKEN BY THE FEDERAL GOVERNMENT

YEAR 1970

| <u>Town and Dam</u> | <u>Losses to 12/31/70 Assessed Valuation</u> | <u>1970 Tax Rate</u> | <u>Tax Loss</u> |
|---------------------|--|--------------------------|------------------|
| <u>Brimfield:</u> | | | |
| East Brimfield Dam | \$ 205,843. | 56.00 | 11,527.21 |
| <u>Charlton:</u> | | | |
| Buffumville Dam | 37,740. | 98.00 | 3,698.52 |
| <u>Dudley:</u> | | | |
| Buffumville Dam | 700. | 66.00 | 46.20 |
| <u>Holland:</u> | | | |
| East Brimfield Dam | 196,600. | 116.00 | 22,805.60 |
| <u>Oxford:</u> | | | |
| Hodges Village Dam | \$271,587. | | |
| Buffumville Dam | <u>80.</u> | 271,667. | 108.00 |
| | | | 29,340.04 |
| <u>Southbridge:</u> | | | |
| Westville Dam | 57,310. | 140.60 | 8,057.79 |
| <u>Sturbridge:</u> | | | |
| East Brimfield Dam | 279,125. | | |
| Westville Dam | <u>386,800.</u> | <u>665,925.</u> | 32.00 |
| | | | <u>21,309.60</u> |
| Totals | <u>\$1,435,785.</u> | | <u>96,784.96</u> |

Reimbursement due from the State of Connecticut:

40% of \$96,784.96, or \$38,713.98

1176 057

